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Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new non provisional applications under 37 CFR 1.53(b))

Attorney Docket No. 83,665
First Inventor Ringeisen
Title GENERATION OF VIABLE CELL ACTIVE BIOMATERIAL PATTERNS BY LASER TRANSFER
Express Mail Label No.

10/068315
02/08/02

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status. See 37 CFR 1.27.
- ☒ Specification [Total Pages 36]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
- ☒ Drawing(s) (35 U. S. C. 113) [Total Sheets 2]
- Oath or Declaration [Total Pages 38]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)
☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
1. ☐ CD-ROM or CD-R (2 copies); or
11. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(13)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1, 76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. /

Prior application information.

Examiner

Group Art Unit.

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been specifically identified and admitted from the submitted application parts.

19 CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

26384
(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name Naval Research Laboratory
Address 4555 Overlook Ave., S.W.,
Code 1008.2
City Washington State DC Zip Code 20375-5320
Country US Telephone 202-404-1552 Fax 202-404-7380

Name (Print/Type) John J. Karasek Registration No. (Attorney/Agent) 36,182
Signature [Signature] Date 2/8/02

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 1316

Complete if Known

Application Number	Not Yet Assigned
Filing Date	
First Named Inventor	Ringeisen
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	83,665

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to

Deposit Account Number

50-0281

Deposit Account Name

Naval Research Laboratory

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status, See 37 CFR 1.27

2. ☐ Payment Enclosed:

- ☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Fee Fee Fee Description Code (\$) Code (\$)

101 740 201 370 Utility filing fee

Fee Paid 740

106 330 206 165 Design filing fee

107 510 207 255 Plant filing fee

108 740 208 370 Reissue filing fee

114 160 214 80 Provisional filing fee

SUBTOTAL (1) (\$ 740

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
52	-20- = 32	18	576
Independent Claims	-3" =		0
Multiple Dependent			

Large Entity Small Entity

Fee Fee Fee Fee

Code (\$) Code (\$)

103 18 203 9 Claims in excess of 20

102 84 202 42 Independent claims in excess of 3

104 280 204 140 Multiple dependent claim, if not paid

109 84 209 42 ** Reissue independent claims over original patent

110 18 210 9 Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 576

**or number previously paid, if greater, For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
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105 130 205 65 Surcharge - late filing fee or oath

127 50 227 25 Surcharge - late provisional filing fee or cover sheet

139 130 139 130 Non-English specification

147 2,520 147 2,520 For filing a request for ex parte reexamination

112 920* 11 2 920* Requesting publication of SIR prior to Examiner action

113 1,840* 113 1,840* Requesting publication of SIR after Examiner action

115 110 215 55 Extension for reply within first month

116 400 216 200 Extension for reply within second month

117 920 217 460 Extension for reply within third month

118 1,440 218 720 Extension for reply within fourth month

128 1,960 228 980 Extension for reply within fifth month

119 320 219 160 Notice of Appeal

120 320 220 160 Filing a brief in support of an appeal

121 280 221 140 Request for oral hearing

138 1,510 138 1,510 Petition to institute a public use proceeding

140 110 240 55 Petition to revive - unavoidable

141 1,280 241 640 Petition to revive - unintentional

142 1,280 242 640 Utility issue fee (or reissue)

143 460 243 230 Design issue fee

144 620 244 310 Plant issue fee

122 130 122 130 Petitions to the Commissioner

123 50 123 50 Processing fee under 37 CFR 1.17(c)

126 180 126 180 Submission of Information Disclosure Stmt

581 40 581 40 Recording each patent assignment per property (times number of properties)

146 740 246 370 Filing a submission after final rejection (37 CFR § 1.129(a))

149 740 249 370 For each additional invention to be examined (37 CFR § 1.129(b))

179 740 279 370 Request for Continued Examination (RCE)

169 900 169 900 Request for expedited examination of a design application

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	John J. Karasek	Registration No. (Attorney/Agent)	36,182	Telephone	202-404-1552
Signature		Date	2/8/02		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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PATENT APPLICATION
Navy Case No. 83,665

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION FOR LETTERS PATENT

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT Bradley Ringeisen, Douglas B. Chrisey, Alberto Pique, and Robert A. McGill, who are citizens of the United States of America, and are residents of, Alexandria, VA, Bowie, MD, Crofton, and MD, Lorton, VA., invented certain new and useful improvements in "GENERATION OF VIABLE CELL ACTIVE BIOMATERIAL PATTERNS BY LASER TRANSFER" of which the following is a specification:

Please Contact Preparer:
Joseph Grunkemeyer
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Tel: 202-404-1556